

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Electro-optical An electro-optical light modulation element comprising
 - a substrate or a plurality of substrates,
 - an electrode arrangement,
 - an element or a plurality of elements for polarisation of the light and
 - a modulation medium,
characterised in that wherein
 - the light modulation element is operated at the temperature at which the modulation medium in the unaddressed state is in an optically isotropic phase and
 - the mesogenic modulation medium comprises a chiral component, component (A), which consists of one or more chiral compounds, at least one of which has an HTP of 30 μm^{-1} or more, and
 - the mesogenic modulation medium comprises an achiral component, component (B), which consists of one or more achiral compounds,
 - the mesogenic modulation medium is operated at the temperature at which the light modulation element has a blue phase or
 - the mesogenic modulation medium is operated at the temperature at which the light modulation element is in the isotropic phase.
2. (Currently Amended) Electro-optical The electro-optical light modulation element according to Claim 1, characterised in that wherein
 - the electrode arrangement is able to generate an electric field having a significant component parallel to the surface of the mesogenic modulation medium.
3. (Currently Amended) Electro-optical The electro-optical light modulation element according to Claim 1, characterised in that wherein
 - the mesogenic modulation medium has a blue phase.

4. (Currently Amended) **Electro-optical** The electro-optical light modulation element according to Claim 1, characterised in that wherein

- the mesogenic modulation medium comprises a chiral component, component (A), which consists of one or more chiral compounds.

5. (Cancelled)

6. (Currently Amended) **Electro-optical** The electro-optical light modulation element according to Claim 1, characterised in that wherein

- the relative temperature dependence (dV^{*10}/dT) of the characteristic voltage for 10% relative contrast (V_{10}) of the modulation medium is 30%/degree or less at a temperature of 2° above the characteristic temperature ($T_{char.}$) in the range of +/- 1° around this temperature.

7. (Currently Amended) **Light** The electro-optical light modulation element according to Claim 1, characterised in that wherein

- the relative temperature dependence (dV^{*10}/dT) is 23%/degree or less.

8. (Currently Amended) **Light** The electro-optical light modulation element according to Claim 1, characterised in that wherein

- the characteristic voltage for 10% relative contrast (V_{10}) at a temperature of 2° above the characteristic temperature ($T_{char.}$) of the modulation medium in cells is 80 V, preferably 60 V or less.

9. (Currently Amended) **Light** The electro-optical light modulation element according to Claim 1, characterised in that wherein

- the mesogenic modulation medium comprises a chiral component, component (A), which consists of two or more chiral compounds.

10. (Currently Amended) **Light** The electro-optical light modulation element according to Claim 9, characterised in that wherein

- all the chiral compounds of component (A) have the same sign of the HTP at 20°C in the reference mixture.

11. (Cancelled)

12. (Cancelled)

13. (Currently Amended) ~~Light~~ The electro-optical light modulation element according to Claim 1, ~~characterised in that wherein~~

- the dielectric susceptibility ($\epsilon_{av.}$) of the modulation medium at a temperature of 4 degrees above the conversion temperature from the blue phase or from the cholesteric phase into the isotropic phase is 40 or more, preferably 55 or more.

14. (Currently Amended) ~~Light~~ The electro-optical light modulation element of Claim 1, ~~characterised in that wherein~~

- the optical anisotropy at a temperature of 4 degrees below the transition temperature from the cholesteric phase into the isotropic phase is 0.050 or more, preferably 0.080 or more.

15. (Currently Amended) ~~Electro-optical~~ An electro-optical display containing one or more light modulation elements according to Claim 1.

16. (Currently Amended) ~~Electro-optical~~ The electro-optical display according to Claim 15, ~~characterised in that wherein~~ the display is addressed by means of an active matrix.

17. (Currently Amended) ~~Electro-optical~~ An electro-optical display system containing one or more electro-optical displays according to Claim 15.

18. (Currently Amended) ~~Electro-optical~~ The electro-optical display system according to Claim 17, ~~characterised in that it can be used as which is a television screen, as computer monitor or as both.~~

19. (Cancelled)

20. (Cancelled)

21. (Currently Amended) Use of an electro-optical display system according to Claim 17 A method for the display of video signals or of digital signals or information, comprising transmitting video signals or digital signals to a display according to Claim 15.

22. (Cancelled)

23. (Withdrawn and Currently Amended) Mesogenie A mesogenic modulation medium according to Claim 22, characterised in that it which comprises

- (a) a chiral component, component (A), which consists of one or more chiral compounds at least one of which has an HTP of 30 μm^{-1} or more, and
- (b) optionally an achiral component, component (B), which consists of one or more chiral and/or achiral compounds.

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Withdrawn and Currently Amended) Medium A medium according to Claim 22, characterised in that it has Claim 23, having a characteristic temperature in the range from 0°C to 60°C.

28. (Withdrawn and Currently Amended) Medium A medium according to Claim 22, characterised in that Claim 32, wherein the blue phase has a temperature range of 5 degrees or more than 5 degrees.

29. (Withdrawn and Currently Amended) Medium A medium according to Claim 28, characterised in that wherein the blue phase has a temperature range of 10 degrees or more than 10 degrees.

30. (New) The electro-optical light modulation element according to Claim 1, wherein component (A) consists of one or more chiral components at least one of which has an HTP of 50 μm^{-1} or more.

31. (New) The electro-optical light modulation element according to Claim 1, wherein component (A) consists of one or more chiral components at least one of which has an HTP of 90 μm^{-1} or more.
32. (New) A medium according to Claim 23, having a blue phase, in the range from 0°C or below to 80°C or above.